

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

Listing of Claims:

Claims 1-5 (Cancelled).

Claim 6 (Currently Amended): An image forming method according to Claim 7
~~Claim 5~~, wherein a protective layer made of a silicone-based resin is disposed on the surface
of the developer conveyance member.

Claim 7 (Previously Presented): An image forming method, for forming an image by
supplying a developer from a development unit to a latent image on a latent image carrying
member, the method comprising:

forming a thin layer of developer on a developer carrying member by generating an
electric field in a developer supply zone between the developer carrying member of the
development unit and a developer conveyance member; and

conveying the thin layer of developer formed on the developer carrying member to a
development zone facing the latent image carrying member;

wherein the developer conveyance member conveys the developer using electrostatic
effect to supply the developer to the developer carrying member;

wherein a relationship of $|V_s| > |V_d|$ holds where V_d represents a surface movement
velocity of the developer carrying member, and V_s represents a developer conveyance
velocity of the developer moving on the developer conveyance member.

Claim 8 (Cancelled).

Claim 9 (Currently Amended): An image forming method according to Claim 7
~~Claim 1~~, wherein a powder pump supplies the developer to the developer conveyance member from a developer container.

Claim 10 (Cancelled).

Claim 11 (Previously Presented): An image forming method for forming an image by supplying a developer from a development unit to a latent image on a latent image carrying member, the method comprising:

forming a thin layer of developer on a developer carrying member by generating an electric field in a developer supply zone between the developer carrying member of the development unit and a developer conveyance member; and

conveying the thin layer of developer formed on the developer carrying member to a development zone facing the latent image carrying member;

wherein a developer charge amount changing means for changing an amount of electrical charge of the developer on the developer carrying member is arranged downstream of the development zone and upstream of the developer supply zone along the surface movement direction of the developer carrying member.

Claim 12 (Previously Presented): An image forming method for forming an image by supplying a developer from a development unit to a latent image on a latent image carrying member, the method comprising:

forming a thin layer of developer on a developer carrying member by generating an electric field in a developer supply zone between the developer carrying member of the development unit and a developer conveyance member; and

conveying the thin layer of developer formed on the developer carrying member to a development zone facing the latent image carrying member;

wherein an electrically conductive member for applying a voltage to the developer on the developer carrying member is arranged downstream of the development zone and upstream of the developer supply zone along the surface movement direction of the developer carrying member.

Claim 13 (Currently Amended): An image forming method according to Claim 12 ~~Claim 1~~, wherein a toner having a spherical shape is used as the developer.

Claim 14 (Original): An image forming method according to Claim 13, wherein the toner has a sphericity of 0.96 or larger.

Claim 15 (Currently Amended): An image forming method according to Claim 12 ~~Claim 1~~, wherein a relationship of $P/\{(V_d/V_p)(V_s/V_d)\} < 20 \mu\text{m}$ holds and a surface movement direction of the developer carrying member is aligned in the same direction as a surface movement direction of the latent image carrying member in the development zone, where P represents a pitch of electrodes in the developer conveyance member, V_s represents a developer conveyance velocity of the developer moved by the developer conveyance member, V_d represents a surface movement velocity of the developer carrying member, and V_p represents a surface movement velocity of the latent image carrying member.

Claim 16 (Currently Amended): An image forming apparatus for forming an image by supplying a developer from a development unit to a latent image on a latent image carrying member for image development,

wherein the image forming apparatus forms the image using an image forming method according to one of Claims ~~1 through 15~~ 6-7, 9, or 11-15.

Claim 17 (Original): An image forming apparatus according to Claim 16, comprising a process cartridge having the development unit and the latent image carrying member integrated with the development unit in a unitary body, wherein the process cartridge is detachably mounted in the image forming apparatus.

Claim 18 (Original): A process cartridge integrating into a unitary body a latent image carrying member and at least a development unit for developing a developer image from a latent image on the latent image carrying member, wherein the process cartridge is detachably mounted in an image forming apparatus according to Claim 16.

Claim 19 (Currently Amended): An image forming apparatus comprising:
a toner hopper;
a development roller;
a photoconductive drum;
an electrostatic latent image formed on the photoconductive drum; ~~and~~
an electrostatic conveyance member between said toner hopper and said development roller; and
a supply roller configured to supply the toner from said toner hopper to the electrostatic conveyance member by a rotation,

wherein said electrostatic conveyance member comprises a pattern of electrodes configured to set up an electric field along said electrostatic conveyance member, and

wherein a toner forms a layer on a surface of the development roller, the toner is applied by an electrical field to the electrostatic latent image on the photoconductive drum, forming a toner image, and

wherein the development roller and the photoconductive drum are separated by a gap.

Claim 20 (Cancelled).

Claim 21 (Currently Amended): An image forming apparatus according to Claim 19 ~~Claim 20~~, wherein said toner hopper comprises an agitator configured to agitate the toner and to move the toner to the supply roller.

Claim 22 (Previously Presented): An image forming apparatus according to Claim 21, wherein said development roller is positioned close to an end of the electrostatic conveyance member and is separated from said electrostatic conveyance member by a supply gap so that said electrostatic conveyance member is not contacting the development roller.

Claim 23 (Previously Presented): An image forming apparatus according to Claim 22, wherein an electrical field between the electrostatic conveyance member and the development roller is configured so as to cause the toner to jump from the electrostatic conveyance member onto the development roller over the supply gap.

Claim 24 (Previously Presented): An image forming apparatus according to Claim 22, wherein said supply gap has a width between 0.1mm and 0.6mm.

Claim 25 (Cancelled).

Claim 26 (Currently Amended): An image forming apparatus according to Claim 19
~~Claim 20~~, further comprising:

a powder pump configured to fluidize the toner in the toner hopper by air.

Claim 27 (Previously Presented): An image forming apparatus according to Claim 26, wherein said toner is conveyed by the powder pump through a conveyance tube to the supply roller and said toner is electrically charged by the powder pump.

Claim 28 (Cancelled).

Claim 29 (Currently Amended): An image forming apparatus according to Claim 22
~~Claim 28~~, wherein said gap has a width in a range between 0.2mm and 0.6mm.

Claim 30 (Currently Amended): An image forming apparatus according to Claim 23
~~Claim 28~~, wherein said electrical field is generated by an AC voltage and a DC bias voltage.

Claim 31 (Previously Presented): An image forming apparatus according to Claim 19, wherein said electrostatic conveyance member includes a silicone-based resin on an upper surface.

Claim 32-38 (Cancelled).